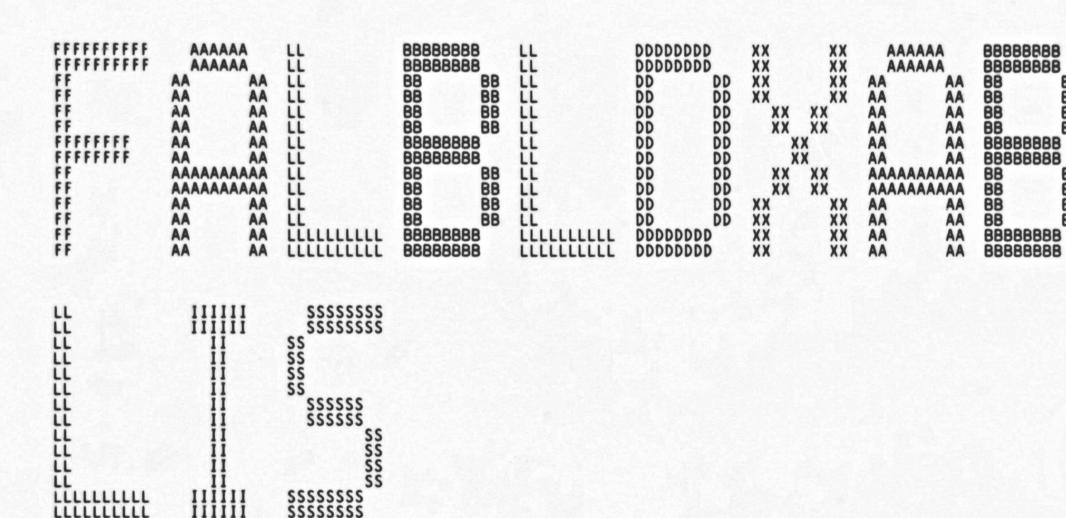


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FALBLDXAB - BUILD DAP EXT ATT MESSAGES .TITLE

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Facility: FAL (DECnet File Access Listener)

Abstract: This module builds the DAP extended Attributes messages.

Environment: VAX/VMS, user mode

Creation Date: 22-MAY-1979 Author: James A. Krycka,

Modified By:

V03-002 JAK0136 07-MAR-1984 J A Krycka Cleanup.

16-SEP-1984 01:39:25 VAX/VMS Macro V04-00 5-SEP-1984 01:16:35 [FAL.SRC]FALBLDXAB.MAR;1

Page

```
.SBTTL DECLARATIONS
                                4444455555555555666666666677777777777888
                                                     Include Files:
                                                                                                                                                                                                           ; Define DAP prologue symbols
; Define DAP message header
; Define DAP Attributes message
; Define DAP Key Definition message
; Define DAP Allocation message
; Define DAP Summary message
; Define DAP Date and Time message
; Define DAP Protection message
; Define DAP Protection message
; Define FAL Work Area symbols
; Define File Access Block symbols
; Define symbols common to all XABs
; Define Allocation XAB symbols
; Define Date and Time XAB symbols
; Define Key Definition XAB symbols
; Define Protection XAB symbols
; Define Summary XAB symbols
; Define Summary XAB symbols
                                                                             SDAPPLGDEF
SDAPHDRDEF
SDAPATTDEF
SDAPKEYDEF
SDAPALLDEF
SDAPSUMDEF
SDAPTIMDEF
SDAPPRODEF
                                                                              SFALWRKDEF
                                                                              $FABDEF
                                                                              $XABDEF
                                                                              SXABALLDEF
                                                                              $XABDATDEF
                                                                              SXABKEYDEF
                                                                              $XABPRODEF
                                                                              $XABSUMDEF
                                                     Macros:
                                                                              None
                                                     Equated Symbols:
```

ASSUME DAPSQ_DCODE_FLG EQ 0 ASSUME FALSQ_FLG EQ 0

Own Storage:

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FALBLDXAB V04-000					- BU	JILD DAP EXT	ATT	MESSAGES	M 14	16-S	EP-1984 EP-1984	01:39: 01:16:	25	VAX/VMS Macro	V04-00 BLDXAB.MAR;1	Page	(3)
						0023 140 0023 141 0023 143			DAPSM DAPSM DAPSM DAPSM	IAN!- LAN!- DAN!-							
						0023 146 0023 146 0023 146 0023 146 0023 156 0023 156 0023 156 0024 156 0026 156 0026 156 0026 156 0026 166 0027 166 002			DAPSM DAPSM DAPSM DAPSM DAPSM DAPSM	RVB!- DVB!- DBS!- IBS!-							
			F	FDA'	30	0023 150 0023 151 0023 152 0023 153		BSBW	DAPSM DAPSM 0>,R1 FALSCVT	MRL!-		s	itore	KEYMENU as a	n extensible	field	
						0026 156 0026 156	I	nclude the	FLG, DFL,	and !	FL field	ds in t	he m	essage.			
		51	12	A7 52	9A 04	0026 158 0026 159 002A 160 002C 161		MOVZBL CLRL \$MAPBI \$MAPRI	XAB\$B_FL R2 T XAB\$V_DL T XAR\$V_CL	JP,DAP	,R1 SV_DUP	: G	lear Map D	LG bits retur correspondin UP bit HG bit	ned by RMS ng DAP bits		
		83 83	83 10	52 A7 A7	90 B0 B0	002C 161 0034 162 003C 163 0044 164 0047 165 004B 166 004F 167		\$MAPBI MOVB MOVW MOVW	T XAB\$V_DI T XAB\$V_CI T XAB\$V_NI R2,(R3)+ XAB\$W_DI XAB\$W_II	L (R7)	(R3)+ (R3)+	CHR M	lap N	UL bit key options data bucket index bucket	as extensibl fill quantit fill quanti	e field y field ty field	
						004F 169 004F 169 004F 170	I	nclude the	NSG, POS,	and S	IZ field	ds in t	he m	essage.			
		50	83 ¹⁴	50 11	90 90 13	004F 171		MOVB MOVB BEQL	XAB\$B_NS RO_(R3) 4 20\$	G(R7)	,R0	; S	tore	oop count number of ke h if zero	y segments f	ield	
		51 52	83 83 83	A7 A7 81 82	90 13 3E 9E 80 95	0058 175 0050 176 0060 177 0063 178 0066 179	10\$	MOVAW	XAB\$W_P(XAB\$B_S) (R1)+,(F (R2)+,(F	(3)+	,R1 ,R2	: G : S	et a et a tore tore	ddress of POS ddress of SIZ key segment key segment if more to go	position fie size field	ld	
						0069 180 0069 181 0069 183	11	nclude the	REF, KNM,	NUL,	IAN, LA	N, DAN,	and	DTP fields i	n the message	е.	
		83	17	A7 83 A7	90 94 05	0069 184 0069 185 0060 186 006F 187	20\$	CLRB	XAB\$B_RE (R3)+ XAB\$L_K			; A	SSUM	key of refer e no key name h if no key n	buffer		
	63	FF 38 83 83	A3 B7 15 08	20 20 20 A7 A7	90 94 95 13 90 90 90	0069 183 0069 183 0069 183 0069 183 006D 183 006F 183 0072 183 0074 183 0078 193 0070 193 0081 193 0085 193 0089 193	30\$	BEQL MOVB MOVC3 MOVB MOVB MOVB	30\$ #32,-1(F #32,@XAE XAB\$B_NU XAB\$B_L/	3\$L_KN JL(R7) NN(R7)	(R3)+ (R3)+	R3) ; C ; S	opy tore tore	KNM as an im 32-byte key n null key cha index area n lowest level	name field in practer field number field	to msg	
		83 83		A7 A7	90 90	0089 199 0089 199 0080 199		MOVB MOVB	XAB\$B_D/XAB\$B_D/	N(R7)	,(R3)+	: s	numbe	er field data area nu key data typ	mber field		

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		- BUILD DAP	EXT ATT	MESSAGES	C 15 16-SEP-1984 0 5-SEP-1984 0	1:39	9:25 VAX/VMS Macro V04-00 Page 6:35 [FAL.SRC]FALBLDXAB.MAR;1	(4)
	FF2B'	30 00D2 00D5	272 10\$:	BSBW	FALSCVT_BN4_EXT	;	Store ALLMENU as an extensible field	
		0005 0005 0005 0005	274 : 275 : In 276 :	clude the V	OL, ALN, and AOP fields	in	the message.	
83 04	69 A7	B0 00D5 E1 00D9	278 279	MOVW	XAB\$W_VOL(R7),(R3)+ #DAP\$V_VAXVMS,(R9),20\$:	Store relative volume number field Branch if partner is not VAX/VMS	
		00DD 00DD 00DD 00DD 00DD	272 10\$: 273 :: 2775 :: 2776 :: 2776 :: 2776 :: 2776 :: 2776 :: 2776 :: 2777 :: 2776 :: 2777 :	ASSUME ASSUME ASSUME ASSUME	DAP\$K_ANY EQ O DAP\$K_CYL EQ XAB\$C_CYL DAP\$K_LBN EQ XAB\$C_LBN DAP\$K_VBN EQ XAB\$C_VBN			
83 51	09 A7 08 A7 52	90 00DD 9A 00E1 D4 00E5 00E7	286 287 288 288 289	MOVB MOVZBL CLRL \$MAPBIT	XAB\$B_ALN(R7),(R3)+ XAB\$B_AOP(R7),R1 R2 XAB\$V_CBT,DAP\$V_CBT2	-	Store alignment options field Get AOP bits returned by RMS Clear corresponding DAP bits Map CBT bit Map CTG bit	
10	69 34	E1 00F7 00FB	290 291 292	SMAPBIT BBC SMAPBIT	WARSY URD DAPSY HRD		Map CTG bit Branch if partner is not VAX/VMS Map HRD bit	
	51 FEEF	0103 00 0108 30 010E	293 294 30\$: 295 296	\$MAPBIT MOVL BSBW	R2 XAB\$V_CBT,DAP\$V_CBT2 XAB\$V_CTG,DAP\$V_CTG2 #DAP\$V_VAXVMS,(R9),30\$ XAB\$V_RRD,DAP\$V_HRD XAB\$V_ONC,DAP\$V_ONC R2,R1 FAL\$CVT_BN4_EXT		Map ONC bit Move data to correct register Store AOP as an extensible field	
		0111 0111 0111	200 .		OC, ALQ, AID, BKZ, and	DEQ	fields in the message.	
07 51 51 83 83 83	69 34 OC A7 FEE4' 10 A7 FEDD' 17 A7 16 A7 14 A7 FECE'	0111 E1 0111 D0 0115 30 0119	300 301 302 303 304 40\$: 305 306 307 308	BBC MOVL BSBW MOVL BSBW MOVB MOVB MOVW BSBW	#DAP\$V_VAXVMS,(R9),40\$ XAB\$L_EOC(R7),R1 FAL\$CVT_BN4_IMG XAB\$L_AEQ(R7),R1 FAL\$CVT_BN4_IMG XAB\$B_AID(R7),(R3)+ XAB\$B_BKZ(R7),(R3)+ XAB\$P_DEQ(R7),(R3)+ FAL\$BGILD_TAIL		Branch if partner is not VAX/VMS Get starting location value Store LOC as an image field Get allocation quantity value Store ALQ as an image field Store area identification field Store bucket size field Store default extension quantity field Finish building message	d
		05 0132	310	RSB		:	Exit	

FALBLDXAB V04-000

```
- BUILD DAP EXT ATT MESSAGES FALSENCODE_SUM
                                                                                                                      VAX/VMS Macro V04-00
[FAL.SRC]FALBLDXAB.MAR; 1
                                                                                                                                                                 Page
                                                                      FALSENCODE_SUM
FALSCODE
                      00000133
                                                                                               NOSHR, EXE, RD, NOWRT, BYTE
                                              ; Functional Description:
                                                          FALSENCODE_SUM builds the DAP Summary message.
                                                 Calling Sequence:
                                                          BSBW
                                                                      FALSENCODE_SUM
                                                 Input Parameters:
                                                          R8
R9
                                                                      Address of FAL work area
Address of DAP control block
                                                          R10
                                                                       Address of FAB
                                                          R11
                                                                       Address of RAB
                                                 Implicit Inputs:
                                                          FAB$B_ORG
                                                 Output Parameters:
                                                          RO-R6
R7
                                                                      Destroyed
                                                                       Address of XAB
                                                 Implicit Outputs:
                                                          None
                                                 Completion Codes:
                                                          None
                                                 Side Effects:
                                                          None
                                             FALSENCODE SUM::
                                                                                                              Entry point
Get address of Summary XAB
                                                                      FAL$L_SUMXAB(R8),R7 ; Get address of Summary XAB

#DAP$R_SUM_MSG,R0 ; Get message type value

FAL$BUILD_READ ; Construct message header

FAB$B_ORG(R10),#FAB$C_IDX ; Build dummy message (all fields defaulted) if file ORG is not IDX
57
                      DE DO 30 91 12
                                                          MOVL
                                                          BSBW
   20
          10
                                                          CMPB
                                                          BNEQ
                                                                      DAPSV_NOK LT 7
DAPSV_NOA LT 7
DAPSV_PVN LT 7
                                                          ASSUME
ASSUME
                                                          ASSUME
                                                                      #<DAP$M_NOK!-
DAP$M_NOA!-
DAP$M_PVN!-
0>,(R3)#
       83
               0B
                                                          MOVB
                                                                                                              Get summary menu value
                                                                                                             Store sumenu as an extensible field
```

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FALBLDXAB

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as the default time.)

ASSUME ASSUME DAPSV_CDT EQ 0 DAPSV_CDT+1 EQ DAPSV_RDT FAL

			- BU FALS	ILD DAP EX	T ATT MES	SSAGES	G 15	16-SEP-19 5-SEP-19	84 01:39:2 84 01:16:3	S YA	AX/VMS Macro V04-00 FAL.SRCJFALBLDXAB.MAR;1	Page	11 (6)
				0162 43 0162 43 0162 43		ASSUME ASSUME ASSUME	DAP\$V_RDT DAP\$V_EDT DAP\$V_RVN	+1 EQ DAP +1 EQ DAP +1 EQ DAP	SV_EDT SV_RVN SV_BDT				
	18 54 10	A7	DD18538538153880	0162 43 0162 43 0162 43 0162 43 0162 43 0164 43 0167 43 0166 44 0166 44	10\$:	CLRL TSTL BEQL BISB2 TSTL	R4 XAB\$Q_CDT 10\$ #DAP\$M_CD XAB\$Q_RDT	T,R4	: Br	ranch is zer therwi ranch	ise, send field if revision date and to		
	5420	03 02 A7 03	88 05 13	016F 44 0171 44 0174 44 0177 44	2 20\$:	BEQL BISB2 TSTL BEQL	20\$ #DAP\$M_RD XAB\$Q_EDT	T,R4 +4(R7)	; Ot	is zer therwi ranch is zer	ise, send field if expiration date and	time	
08	54 69 28	04 25 A7	88 E1 D5	0179 44	30\$:	BEQL BISB2 BBC TSTL	#DAPSW_ED #DAPSV_GE XABSQ_BDT	T.R4 Q.V60,(R9 +Z(R7)),40\$; Br	therwi ranch ranch	ise, send field if partner uses DAP be if backup date and time	fore V6.0	,
	54 54 83	03 10 08 54	88 88 90	0179 44 0170 44 0180 44 0183 44 0185 44 0188 45 018E 45	40\$:	BEQL BISB2 BISB2 MOVB	#DAP\$M_BD #DAP\$M_RV R4,(R3)+	T ,R4 N ,R4	: Ot	therwi	ise, send field evision number field IIMENU as an extensible	field	
				018E 45	: Now s	orocess e	each time f	ield.					
06 50	⁵⁴ 14	00 A7	E1 7E	018E 45 018E 45 0192 45 0196 45	3	BBC	#DAPSV_CD	T,R4,50\$ (R7),R0	; Ge	et add	if CDT is not to be inc dress of 64-bit value fo ion date and time	luded	
06 50	54 _{OC}	26 01 A7	10 E1 7E	0196 46 0198 46 0190 46	50\$:	BSBB BBC MOVAQ	CONVERT T #DAP\$V RD XAB\$Q_RDT	T.R4.60\$	St. Br Ge	tore (DT as an image field if RDT is not to be income of 64-bit value for income of the contract of	luded	
06 50	54 ₁₀	1C 02 A7	10 E1 7E	01A0 46 01A2 46 01A6 46	60\$:	BSBB BBC MOVAQ	CONVERT T #DAP\$V_ED XAB\$Q_EDT	T.R4.70\$: St : Br : Ge	core R ranch et add	RDI as an image field if EDI is not to be inc dress of 64-bit value fo	luded	
83 06 50	54 ⁰⁸ 24	12 A7 04 A7	10 80 E1 7E	01AA 46 01AA 46 01AC 46 01B0 47 01B4 47 01B8 47 01B8 47 01BA 47	70\$:	BSBB MOVW BBC MOVAQ	CONVERT T XAB\$W RVN #DAP\$V BD XAB\$Q_BDT	IME (R7),(R3) (R7,80\$ (R7),R0	+ : St : St : Br : Ge	tore E tore r ranch et add	ation date and time EDT as an image field revision number field if BDT is not to be inc dress of 64-bit value for date and time	luded	
	F	04	10 30 05	0188 47 018A 47 018D 47 018E 47 018E 47	80\$:	BSBB BSBW RSB	CONVERT T		; St	tore E	BDT as an image field building message		
				01BE 47 01BE 47 01BE 47 01BE 48 01BE 48	B; This F; Then	it store	es the stri	ng as an	18-byte fi	ixed l	inary format to an ASCII length field in the DAP (per DAP specification).	message	
14 18	5E 52 A2 A2	20 5E 14 5E	D0 D0 D0	0180 47 0184 47 0188 47 0188 47 0188 47 018E 47 018E 47 018E 47 018E 48 018E 48 018E 48 018E 48 018E 48 0161 48 0161 48 0162 48	CONVERT	TIME: SUBL2 MOVL MOVL MOVL SASCTIM	#<20+12>. SP R2 #20,20(R2 SP,24(R2)	2)	: Al Sa Fo	orm de	point te space from the stack ddress of work area escriptor of buffer to r time string t binary time to ASCII t		

FALBLDXAB

FALBLDXAB V04-000			- BU FALS	ILD DA	P EXT	ATT M	IESSAGES	н 15	16-SEP-1984 5-SEP-1984	01:39 01:16	2:25	VAX/VE CFAL.S	MS Mad SRC]F	cro V(04-00 XAB.M	AR;1	Page	12 (6)
	62 62 63 63 62 63 5E	20 03 30 10 07 08 10 20	91 12 90 BB 28 28 BA CO 05	01CC 01CC 01CC 01CC 01ED 01ES 01E8 01E8 01E8 01E8 01F5 01F8	499 491 493 495 497 499 500 500 500 500 500	10\$:	SCHECK_CMPB BNEQ MOVB PUSHR MOVC3 MOVC3 POPR ADDL2 RSB	TIMLEN=28 TIMBUF=20 TIMADR=(R CVTFLG=#0 SS #^A\(R 10\$ #^A\0(R #^A\0(R #10\$ #^A\0(R #11,2(R1)) #^M <r4> #<20+12></r4>	(R3) (R3) (R3)		Check Convoiday the Store Copy Copy Rest	ress of g set to k status ert lead of more time in bytes ore time tocate	to recus coding the field of the lights menu in 1-7 (9-20) me mei	quest de and space ield i pecifi d omit mask of inp of in	date dexide to conication tring	alue and t t on f zero i nform on the t tring string	ailure n to wo	

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FALBLDXAB V04-000

SY

	- BUILD DAP EXT ATT MESSAGES FALSENCODE_PRO	J 15 16-SEP-1984 01:39:25 VAX/VMS Macro V04-00 Page 14 5-SEP-1984 01:16:35 [FAL.SRC]FALBLDXAB.MAR;1 (7)
	0207 563 0207 564 0207 565	DAPSM_PROWLD!- 0>,(R3) [‡] ; Store PROMENU as an extensible field
	0207 563 0207 564 0207 565 0207 566 : 0207 567 : Include the OW 0207 568 : 0207 569 C2 0207 570 SUBL2	WNER field in the message.
5E 1C 52 5E 10 A2 10 14 A2 5E 50 0E A7 51 0C A7	DO 020A 571 MOVL DO 020D 572 MOVL DO 0211 573 MOVL 3C 0215 574 MOVZUL 3C 0219 575 MOVZUL	<pre>#<16+12>,SP</pre>
50 18 A2	0210 579	24(R2),R0 : Get length of returned string
50 18 A2 83 50 63 62 50 5E 10	3C 0235 583 MOVZWL 90 0239 584 MOVB 28 023C 585 MOVC3 C0 0240 586 ADDL2 0243 587	24(R2),R0 ; Get length of returned string R0,(R3)+ ; Store owner as an image field R0,(R2),(R3) ; Copy owner string to message #<16+12>,SP ; Deallocate space from the stack
	0243 588 : Construct the 0243 590 :	four protection fields: PROSYS, PROOWN, PROGRP, and PROWLD.
	0243 593 ASSUME 0243 594 ASSUME	DAP\$V_RED_ACC EQ XAB\$V_NOREAD DAP\$V_WRT_ACC EQ XAB\$V_NOWRITE DAP\$V_EXE_ACC EQ XAB\$V_NOEXE DAP\$V_DLT_ACC EQ XAB\$V_NODEL
		DAP\$V_RED_ACC LT 7 DAP\$V_WRT_ACC LT 7 DAP\$V_EXE_ACC LT 7 DAP\$V_DLT_ACC LT 7
51 50 04 00 83 51	3C 0243 602 MOVZWL EF 0247 603 EXTZV 90 024C 604 MOVB	XAB\$W PRO(R7),R0 ; Get protection value #XAB\$V SYS,#4,R0,R1 ; Store system protection field R1,(R3)+ ; as an extensible field
51 50 04 04 83 51 51 50 04 08	EF 024F 605 EXTZV 90 0254 606 MOVB EF 0257 607 EXTZV	#XAB\$Y_OWN,#4,R0,R1 ; Store owner protection field R1,(R3)+ ; as an extensible field #XAB\$Y_GRP,#4,R0,R1 ; Store group protection field
51 50 04 00 83 51 51 50 04 04 51 50 04 08 51 50 04 08 51 50 04 00 83 51 51 50 04 00 83 51 51 50 04 00 83 51 51 50 04 00	90 025C 608 MOVB EF 025F 609 EXTZV 90 0264 610 MOVB	R1.(R3)+ #XAB\$V_WLD,#4,R0,R1 R1.(R3)+ FAL\$BUILD_TAIL Finish building message Exit
	026B 614 .END	; End of module

FALBLDXAB V04-000

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FALBLDXAB Symbol table	- BUILD DAP EXT ATT M	ESSAGES K 15 16-SEP-198 5-SEP-198	4 01:39:25 VAX/VMS Macro V04-00 4 01:16:35 [FAL.SRC]FALBLDXAB.MAR;1	Page	15
\$\$T2 CONVERT_TIME DAP\$B_AID DAP\$B_AID DAP\$B_ACP DAP\$B_BIT CNT DAP\$B_BIT CNT DAP\$B_BKZ DAP\$B_BKZ DAP\$B_BKZ DAP\$B_DAN DAP\$B_DAN DAP\$B_DAN DAP\$B_DAN DAP\$B_DCODE_FID DAP\$B_DCODE_MSG DAP\$B_DCODE_MSG DAP\$B_TLAGS DAP\$B_IAN DAP\$B_IAN DAP\$B_IAN DAP\$B_IAN DAP\$B_IBS DAP\$B_LEN256 DAP\$B_LEN256 DAP\$B_NOK DAP\$	= 00000005 R 00000005 R 000000045 00000005 R 0000005 R 000000 R 000000 R 00000 R 0000 R 00000 R 00000 R 00000 R 00000	DAPSL CMWA DAPSL CRC RSLT DAPSL DCODE STS DAPSL DVB DAPSL EBK DAPSL FOP1 DAPSL HBK DAPSL KEYMENU DAPSL KEYMENU DAPSL SBN DAPSL SSPWA DAPSL SSPWA DAPSL SSPWA DAPSL SSN DAPSL TEMP DAPSM AID DAPSM AID DAPSM AID DAPSM BDT DAPSM DAPSM DBS DAPSM NAG DAPSM PROWND DAPSM P	00000030 00000020 00000018 00000078 00000078 00000074 00000044 00000074 00000075 00000075 00000075 00000075 00000076 00000076 00000076 00000076 00000076 00000000		

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FALBLDXAB Symbol table	- BUILD DAP EXT	ATT MESSAGES M 15	16-SEP-1984 01:39:25 VAX/VMS Macro V04-00 5-SEP-1984 01:16:35 [FAL.SRC]FALBLDXAB.MAR;	1 Page	17
FALSL NAM FALSL NAM2 FALSL NAM2 FALSL NUMBER FALSL PROXAB FALSL RAB FALSL RAB FALSL REST PR FALSL STB FALSL STB FALSL SUMXAB FALSL USE SC1 FALSL USE SC2 FALSL USE VER FALSQ BLD FALSQ FALOG FALSQ BLD FALSQ FALOG FALSQ FALOG FALSQ FALSQ BLF FALSQ SYSNET FALST DAP FALST DAP FALST DAP FALST DAP FALST FILESPEC FALST FILESPEC FALST FALLOG FALST FALLOG FALST FALSOG FALST FALSOG FALST FALSOG FALST FALSOG FALST FALSOG FALST SYSNET FALST PRIBUF1 FALST FALSOG FALST FALSULT2 FALST FALSULT2 FALST RESULT2 FALST RESULT2 FALST RESULT2 FALST RESULT3 FALST RESULT5 FALST RESULT5 FALST RESULT6 FALST RESULT7 FA	00000294 00000850 0000034C 0000035C 000003B0 0000006C 0000006C 0000003A4 000003F4 000000A4 000000A6 00000088 00000090 0000003B 00000000	XAB\$B DAN XAB\$B DAN XAB\$B DAN XAB\$B DAS XAB\$B DAS XAB\$B FLAN XAB\$B IBS XAB\$B IBS XAB\$B NOA XAB\$B	= 0000000A = 0000000B = 00000013 = 0000000C = 0000000B = 0000000B = 0000000B = 0000000B = 0000000B = 0000000B = 00000015 = 00000015 = 00000016 = 00000016 = 00000016 = 0000000C		

FAL

N 15 18 16-SEP-1984 01:39:25 VAX/VMS Macro V04-00 5-SEP-1984 01:16:35 [FAL.SRC]FALBLDXAB.MAR;1 FALBLDXAB - BUILD DAP EXT ATT MESSAGES Page Psect synopsis Psect synopsis PSECT No. PSECT name Allocation Attributes 00000000 00002000 0000026B LCL NOSHR NOEXE NORD LCL NOSHR EXE RD LCL NOSHR EXE RD ABS NOWRT NOVEC BYTE NOPIC USR ABS CON SABSS NOPIC USR CON NOWRT NOVEC BYTE NOPIC USR FAL\$CODE Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization Command processing	35	00:00:00.04	00:00:01.07
Pass 1	139 342 0 117 47	00:00:09:19	00:00:31.10
Symbol table sort Pass 2	117	00:00:01.02	00:00:05.62
Symbol table output Psect synopsis output	2	00:00:00.19 00:00:00.02	00:00:01.55
Cross-reference output Assembler run totals	684	00:00:00.00 00:00:12.67	00:00:00.00 00:00:49.34

The working set limit was 1650 pages.
72669 bytes (142 pages) of virtual memory were used to buffer the intermediate code.
There were 60 pages of symbol table space allocated to hold 1145 non-local and 26 local symbols.
614 source lines were read in Pass 1, producing 15 object records in Pass 2.
30 pages of virtual memory were used to define 28 macros.

! Macro library statistics !

1500 GETS were required to define 25 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$: FALBLDXAB/OBJ=OBJ\$: FALBLDXAB MSRC\$: FALBLDXAB/UPDATE=(ENH\$: FALBLDXAB)+LIB\$: FAL/LIB

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